

DECLARATION

As the below-named inventors, we declare that:

Our residences, post office addresses, and citizenships are as stated below under our names.

We believe we are the original, first, and sole inventors of the invention entitled "METHODS FOR ENHANCING CAPACITORS HAVING ROUGHENED FEATURES TO INCREASE CHARGE-STORAGE CAPACITY," which is described and claimed in the foregoing application, including the claims, and for which a patent is sought.

We have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to herein (if any).

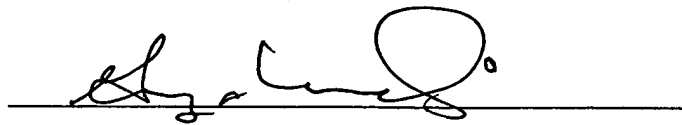
We acknowledge our duty to disclose information of which we are aware which is material to patentability and examination of this application in accordance with 37 C.F.R. § 1.56(a).

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that the making of willfully false statements and the like is punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and may jeopardize the validity of any patent issuing from this patent application.

Randhir P S Thakur
Randhir P.S. Thakur

Date August 30, 2001

Residence : City of Cupertino, County of Santa Clara
State of California
Citizenship : India
P.O. Address : 20200 Lucille Avenue
Apartment No. 16
Cupertino, California 95014



Garry A. Mercaldi

Date 09/17/01

Residence : City of Meridian, County of Ada
State of Idaho
Citizenship : United States of America
P.O. Address : 2455 South Pine Bar Place
Meridian, Idaho 83642



Michael Nuttall

Date 09-17-01

Residence : City of Meridian, County of Ada
State of Idaho
Citizenship : United States of America
P.O. Address : 1469 Deep Creek Way
Meridian, Idaho 83642



Shenlin Chen

Date 09-17-01

Residence : City of Boise, County of Ada
State of Idaho
Citizenship : China
P.O. Address : 3761 South Gekeler Lane
Apartment No. 179
Boise, Idaho 83706

Er-Xuan Ping

Er-Xuan Ping

Date 08/17/01

Residence : City of Meridian, County of Ada
State of Idaho

Citizenship : United States of America

P.O. Address : 2239 East Chateau Drive
Meridian, Idaho 83642

H:\IP\Documents\Clients\Micron Technology\900\500996.01\500996.01 decl.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Randhir P.S.Thakur, Attorney Docket No.: 500996.01
Garry A. Mercaldi, Michael Nuttall,
Shenlin Chen and Er-Xuan Ping

Filed : Concurrently herewith

Title : METHODS FOR ENHANCING CAPACITORS HAVING ROUGHENED FEATURES TO
INCREASE CHARGE-STORAGE CAPACITY

Box Patent Application
Commissioner of Patents
Washington, DC 20231

ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73(b) AND POWER OF ATTORNEY

Sir:

The undersigned, being Assignee of the entire interest in the above-identified application by virtue of an Assignment filed concurrently herewith, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.

Assignee hereby appoints EDWARD W. BULCHIS, Reg. No. 26,847; PAUL T. MEIKLEJOHN, Reg. No. 26,569; GLENN P. RICKARDS, Reg. No. 29,428; DALE C. BARR, Reg. No. 40,498; KIMTON N. ENG, Reg. No. 43,605; BRIAN C. PARK, Reg. No. 45,519; MARK W. ROBERTS, Reg. No. 46,160; STEVEN H. ARTERBERRY, Reg. No. 46,314; PAUL F. RUSYN, Reg. No. 42,118; JOHN P. LUTHER, Reg. No. 32,261; D. C. PETER CHU, Reg. No. 41,676; and the attorneys and agents associated with the firm of **DORSEY & WHITNEY LLP, Customer Number 27,076**, along with MICHAEL L. LYNCH, Reg. No. 30,871; WALTER D. FIELDS, Reg. No. 37,130; CHARLES B. BRANTLEY, II, Reg. No. 38,086; KEVIN D. MARTIN, Reg. No. 37,882; and DAVID J. PAUL, Reg. No. 34,692, of MICRON TECHNOLOGY, INC., 8000 South Federal Way, Boise, Idaho 83716-9632, as its attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Please direct all telephone calls to **Paul F. Rusyn** at (206) 903-8800 and telecopies to (206) 903-8820.

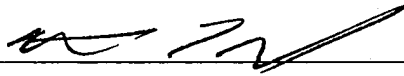
Please direct all communications to:

Paul F. Rusyn, Esq.
Customer No. 27,076
Dorsey & Whitney LLP
1420 Fifth Avenue, Suite 3400
Seattle, Washington 98101
(206) 903-8800

Pursuant to 37 C.F.R. § 3.73(b), the undersigned duly authorized designee of Assignee certifies that the evidentiary documents have been reviewed, specifically the Assignment to MICRON TECHNOLOGY, INC., filed concurrently herewith for recording, a copy of which is attached hereto, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

MICRON TECHNOLOGY, INC.
ASSIGNEE

9/19/01
DATE


Michael L. Lynch
Chief Patent Counsel

Enclosure:
Copy of Assignment

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Randhir P.S.Thakur, Garry A. Mercaldi,
Michael Nuttall, Shenlin Chen and
Er-Xuan Ping

Docket No. 500996.01

Disclosure No. 00-0617

Filed : Concurrently herewith

For : METHODS FOR ENHANCING
CAPACITORS HAVING
ROUGHENED FEATURES TO
INCREASE CHARGE-STORAGE
CAPACITY

ASSIGNMENT:

 X Enclosed for recording

 Previously recorded

Date: _____

Reel: _____

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to **Micron Technology, Inc.** (the "Assignee"), a corporation of Delaware, having a place of business at 8000 South Federal Way, Boise, Idaho 83716-9632, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "**METHODS FOR ENHANCING CAPACITORS HAVING ROUGHENED FEATURES TO INCREASE CHARGE-STORAGE CAPACITY**"; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States of America;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Randhir P S Thakur
Randhir P.S. Thakur

Date: August 30, 2001

STATE OF CALIFORNIA)

) ss.

County of _____)

BEFORE ME, this _____ day of _____, 200____, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

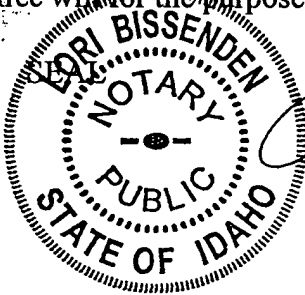
SEAL

[Signature]
Notary or Consular Officer

My Commission Expires _____

Date: 09/17/01

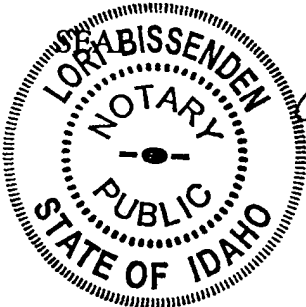
BEFORE ME, this 17th day of September, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Date: 09-17-01

STATE OF IDAHO)
) ss.
County of Ada)

BEFORE ME, this 17th day of September, 200 1, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Notary or Consular Officer
My Commission Expires 4

Shenlin Chen
Shenlin Chen

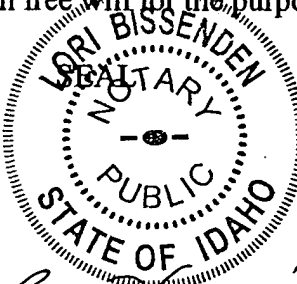
Date: 09-17-01

STATE OF IDAHO)

) ss.

County of Ada)

BEFORE ME, this 17th day of September, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Lori Bissenden
Notary or Consular Officer

My Commission Expires 6/12/2004

Er-Xuan Ping
Er-Xuan Ping

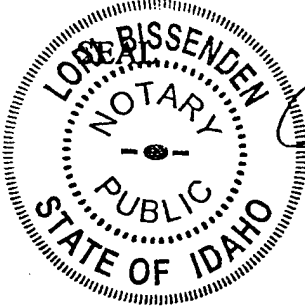
Date: 09/17/01

STATE OF IDAHO)

) ss.

County of Ada)

BEFORE ME, this 17th day of September, 2001, personally appeared the above-named individual, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Lori Bissenden
Notary or Consular Officer

My Commission Expires 6/12/2004

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

No. 5907

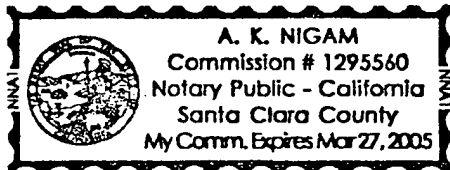
State of California

County of Santa Clara

On 30th August 2001 before me, A.K. Nigam, Notary Public
DATE NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"

personally appeared Randhir P.S. Thakur
NAME(S) OF SIGNER(S)

☐ personally known to me **OR** ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

A.K. Nigam
SIGNATURE OF NOTARY

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- ☒ INDIVIDUAL
☐ CORPORATE OFFICER
- TITLE(S)
- ☐ PARTNER(S) ☐ LIMITED
☐ GENERAL
- ☐ ATTORNEY-IN-FACT
☐ TRUSTEE(S)
☐ GUARDIAN/CONSERVATOR
☐ OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

DESCRIPTION OF ATTACHED DOCUMENT

Assignment
TITLE OR TYPE OF DOCUMENT

4 (Signature on P2)
NUMBER OF PAGES

30th August 2001
DATE OF DOCUMENT

Garry A. Marcaldi, Michael Nuttall
Shenkin Chen and Er-Xuan Ping
SIGNER(S) OTHER THAN NAMED ABOVE